# CPSC 473 - Web Programming and Data Management

## Spring 2015

### Homework Assignment 9, due the week of April 27

Modify the version of Amazeriffic from [Chapter 7](https://github.com/semmypurewal/LearningWebAppDev/tree/master/Chapter7/app/Amazeriffic) to use [Socket.IO](http://socket.io/).

When a new ToDo item is added, other users browsing the page should see the update without reloading the page. All tabs (Newest, Oldest, and Tags) should be updated.

#### Tips

* This is not as easy at it sounds. Allocate the same amount of time for this that you would any previous assignment
* Consider using a jQuery effect like [.slideDown()](http://api.jquery.com/slidedown/) to avoid jarring changes to the visual appearance of lists

#### Submission

E-mail the following items to [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com):

1. A link to a new GitHub repository containing your application
2. Screenshots showing your application in action
3. Set the Subject: line of your e-mail to  
     
    [CPSC 473 - Section 1] Assignment 9  
   or  
    [CPSC 473 - Section 2] Assignment 9  
     
   as appropriate (Wednesday night is Section 1; Monday night is Section 2).

#### Grading

* Adding Socket.IO to the server - 1 pt
* Adding Socket.IO to the client - 1 pt
* Connecting the client to the server - 1 pt
* Sending a Socket.IO message to the server when a ToDo item is added - 2 pts
* Alerting clients when a ToDo item is added - 2 pts
* Clients updating tabs when receiving a new ToDo item - 3 pts

Your code must be properly indented. Failure to do so will result in loss of a point. If you cannot figure out how to do this, click [here](http://jsbeautifier.org/).

Your code must pass JSHint using the configuration shown [here](https://gist.github.com/ProfAvery/c5db1692c457c526601c). Failure to do so will result in loss of another point.

Your submission e-mail must have the correct Subject: heading. Failure to do so will result in loss of a point.